AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An endoprosthesis comprising:

a stent component having a small delivery profile and an enlarged deployed profile, said stent component having adjacent elements with space between the adjacent elements: and

a graft material attached to the stent component covering the space between the adjacent stent elements to form a continuous luminal surface;

wherein following deployment, the endoprosthesis is adapted to be cohesively disassembled to allow for its remote removal from a patient.

- (Currently amended) The endoprosthesis of claim 1 wherein the graft material tears between the adjacent elements of the stent component during disassembly to facilitate removal of the stent component and attached graft material.
- 3. (Original) The endoprosthesis of claim 2 wherein the stent component and attached graft material are removable at a profile less than the enlarged deployed profile.
- 4. (Original) The endoprosthesis of claim 2 wherein the stent component and attached graft material are removable at a profile less than the small delivery profile.
- (Original) The endoprosthesis of claim 1 wherein the endoprosthesis disassembles in a helical fashion.
- 6. (Original) The endoprosthesis of claim 1 wherein the endoprosthesis disassembles and removes in a single piece.
- 7. (Withdrawn) The endoprosthesis of claim 1 wherein the endoprosthesis disassembles and removes in multiple pieces.
- 8. (Original) The endoprosthesis of claim 1 wherein the endoprosthesis disassembles and increases in length by at least 100%.

- 9. (Original) The endoprosthesis of claim 1 wherein the endoprosthesis disassembles and increases in length by at least 500%.
- (Original) The eridoprosthesis of claim 1 wherein the graft material is impermeable.
- 11. (Original) The endoprosthesis of claim 1 wherein the graft material is permeable.
- 12. (Original) The endoprosthesis of claim 1 wherein the endoprosthesis is adapted to be controllably foreshortenable by at least about 20%.
- 13. (Original) The endoprosthesis of claim 1 wherein the endoprosthesis is adapted to be controllably foreshortenable by at least about 50%.
- 14. (Original) The endoprosthesis of claim 1 wherein the graft material is adapted to be cohesively disassembled during removal of the endoprosthesis from a patient.
- 15. (Original) The endoprosthesis of claim 1 wherein the removal is atraumatic.
- 16. (Original) The endoprosthesis of claim 1 wherein the graft material comprises expanded polytetrafluoroethylene.
- 17. (Original) The endoprosthesis of claim 1 wherein the graft material comprises a tape having a length that is adapted for splitting along the length of the tape.
- 18. (Original) The endoprosthesis of claim 17 wherein the tape and the stent component are helically oriented at pitch angles that are substantially the same.
- 19. (Original) The endoprosthesis of claim 1 wherein the graft material comprises a tape, and wherein the tape and the stent component are helically oriented at pitch angles that are substantially the same.
- 20.(Original) The endoprosthesis of claim 19 wherein the tape has a length and wherein the tape is adapted for splitting along the length of the tape.

- 21. (Original) The endoprosthesis of claim 20 wherein the tape comprises expanded polytetrafluoroethylene.
- 22. (Original) The endoprosthesis of claim 1 wherein the graft material includes means for splitting.
- 23. (Original) The endoprosthesis of claim 22 wherein the graft material has a thickness and the means for splitting comprises a row of perforations extending through at least a portion of the thickness of the graft material.
- 24. (Withdrawn) The endoprosthesis of claim 22 wherein the graft material has a thickness and the means for splitting comprises a line of reduced thickness in comparison to the thickness of the remainder of the graft material.
- 25. (Withdrawn) The endoprosthesis of claim 22 wherein the means for splitting comprises an anisotropic graft material that is tearable in one direction and resistant to tearing in a direction transverse to the one direction.
- 26. (Withdrawn) An endoprosthesis having a length comprising:
 - a stent component;
- a graft material attached to the stent component to form a continuous luminal surface:

wherein the endoprosthesis can be partially disassembled in situ to shorten the length of the endoprosthesis.

- 27. (Withdrawn) An endoprosthesis comprising:
- a stent component having a small delivery profile and an enlarged deployed profile;
- a graft material attached to the stent component to form a continuous luminal surface;

wherein following deployment, the stent component is adapted to be cohesively disassembled from the graft material to allow for the remote removal of at least a portion of the stent component from a patient.

- 28. (Withdrawn) The endoprosthesis of claim 27 wherein the graft material remains in situ following removal of the stent.
- 29. (Currently amended) An endoprosthesis comprising:
- a stent component having a small delivery profile and an enlarged deployed profile;

said stent component comprising a wire formed into a generally helical winding having space between adjacent elements of the generally helical winding, wherein the generally helical winding provides a generally tubular form to the stent component and wherein the generally helical winding includes at least one apex located between ends of the stent component;

a graft material attached to the stent component covering the space between adjacent elements of the generally helical winding, wherein the graft material provides a continuous luminal surface; and

wherein at least one of said apices is raised to protrude outwardly from said tubular form and wherein the resulting raised apex is covered by said graft material.

- 30. (Original) The endoprosthesis of claim 29 wherein following deployment, the endoprosthesis is adapted to be cohesively disassembled to allow for its remote removal from a patient.
- 31. (Original) The endoprosthesis of claim 29 wherein the generally helical winding has a serpentine form with alternating opposing apices.
- 32. (Original) The endoprosthesis of claim 31 wherein following deployment, the endoprosthesis is adapted to be cohesively disassembled to allow for its remote removal from a patient.

- 33. (Original) An endoprosthesis comprising:
- a structural support having a small delivery profile and an enlarged deployed profile, said structural support having adjacent elements with space between adjacent elements; and
- a graft material attached to the structural support covering the space between adjacent elements of the structural support to form a continuous luminal surface;

wherein following deployment, the endoprosthesis is adapted to be cohesively disassembled to allow for its remote removal from a patient.

- 34. (Currently amended) A method of making a removable stent-graft having a stent component and a covering of graft material, comprising:
 - a.) providing a stent component having a helical orientation having a pitch;
- b.) providing the stent component with a graft material that covers one side of the stent component and covers spaces between <u>adjacent</u> elements of the stent component <u>in a substantially continuous fashion</u>, wherein the graft material is splittable in a direction parallel to the pitch of the helical orientation of the stent component.